



Syracuse City School District

HIGH SCHOOL CHOICE

Career and Technical Education Programs

- Programs of choice
- 9th – 12th pathway model
- College-level credits and degrees
- Industry Recognized Credentials

Animation and Game Design
Automotive Technology
Barbering
Business Entrepreneurship
Business Technology
Computer Forensics
Construction Management
Computer Chip Technology and Production
Construction Technology
Cosmetology
Creative Expression and Design
Culinary Arts
Cybersecurity
**Dance New*
Data Analytics
Electrical Trades
Emergency Medical Technician
Fire/Rescue
Forensic Sciences
Geospatial Technology
HVAC/R Clean Energy
Law Enforcement
Manufacturing Pre-Apprenticeship
Media Communications
Medical Assisting
Music, Movie & Theater Production
Natural Performing Arts
Resources
Robotics and Automation
Urban Teaching Preparation Program
Welding

Pathways in Technology Early College High School

- NYS grant funded programs
 - Partnership with SCSD, Community College and Industry
 - Pathway to an Associates Degree and first inline for jobs!
 - No cost to student or parent/guardian
- *Computer Chip Technology and Production*
 - *Computer Information Systems*
 - *Electrical Technology*
 - *Health Information Technology*
 - *Health Professions*
 - *Laboratory Science*
 - *Mechanical Technology*
 - *Remotely Piloted Aircraft Systems*

High School Choice Options

- Not Career and Technical Education programs
- High School pathway programs
- 4-year programs
- College and Career preparation
- *Biotechnology Program*
- *Navy National Defense Cadet Corps*
- *International Baccalaureate*
- *Performing Arts*
- *Visual Arts*



Public Service Leadership Academy @ Fowler

Barbering
Business Technology
Computer Forensics
Cosmetology
Cybersecurity
Electrical Trades
Emergency Medical Technician

Fire Rescue
Forensic Science
Geospatial Technology
Law Enforcement
Navy National Defense Cadet Corps
(NNDCC)

P-TECH Programs

Remotely Piloted Aircraft Systems
Computer Information Systems



Barbering

Career Opportunities (per year)

- Hair Stylist - \$47,915
- Barber - \$57,024
- Barber Shop Owner - \$52,123
- Barber Shop Manager - \$57,628



Barbering students can work and learn in our barbershop at PSLA at Fowler while gaining hands-on experiences in this exciting field. Students learn how to deal with clients, maintain a professional work environment and provide professional services to real customers.

Are you a creative, artistic person? Do you like working and socializing with others? Would you like to own your own business someday?

Business Technology

Career Opportunities: (per year)

- Business Owner - \$145,500
- Accountant - \$79,880
- Human Resources/Personnel Specialist - \$67,650
- Real Estate Broker - \$97,000



The Business Technology programs will provide skills necessary to pursue business or finance degrees in college, learn the fundamentals of running a successful business and develop career ready practices.

*Do you like
controlling
your own
destiny?
Do you
want to
turn your
passion
into your
career?*

Computer Forensics

Career Opportunities (per year)

- Information Technology - \$104,420
- Law Enforcement - \$74,910
- Computer Forensic Specialist - \$61,156
- Digital Forensics Examiner - \$69,600



From auction fraud to social engineering, from email scams to phishing — in the Computer Forensics program you'll learn techniques to search for, preserve, and analyze information on computer systems to find potential evidence for a trial.

*Are you
interested in
computers?
Do you like
the idea of
investigating
crimes and
uncovering
evidence?*

Cosmetology Pathway

Career Opportunities (per year)

- Salon Stylist - \$43,797
- Salon Manager - \$42,820
- Make-up Artist - \$52,605
- Nail Technician - \$47,196



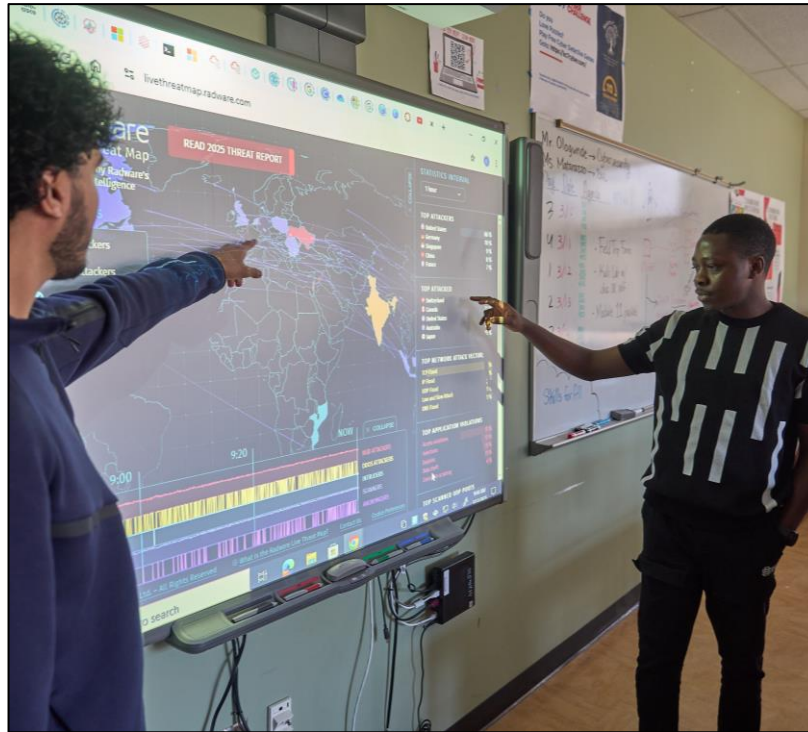
The Cosmetology pathway offers students the unique opportunity to develop and practice their skills during clinic when students and staff are invited to make appointments for Cosmetology services.

**Have you
ever
dreamed of
owning your
own salon?
Are you
interested in
skin and nail
care?**

Cybersecurity Pathway

Career Opportunities (per year)

- Information Technician - \$47,997
- Security Manager - \$87,537
- Cyber Threat Analyst - \$112,871
- Information Security Analyst - \$120,360



As a student in the Cybersecurity program at the Public Service Leadership Academy at Fowler, you'll learn how to make online information more secure and protect users from the growing threat of cyber attacks

Are you interested in computers and computer networks? Would you like to learn how to protect the information in those computers and networks?

Electrical Trades

Career Opportunities (per year)

- Electrician - \$60,656
- Transmission Technician - \$53,724
- Lineman - \$71,778
- Residential Wireman - \$45,801



From designing lighting systems to installing street lights and intercom systems to learning about the latest renewable energy concepts including solar, wind and geothermal technologies this program provides the hands-on skill development and technical training you need to secure entry-level employment (or higher) in the electrical trades field.

Do you enjoy making things work? Do you want to work both indoors and outdoors? Do you like solving problems and exercising your brain while working with your hands?

Emergency Medical Technician (EMT)

Career Opportunities (per year)

- Emergency Medical Technician - \$38,930
- Paramedic - \$54,175
- Emergency Room Technician - \$44,722
- Patient Care Technician - \$38,015



The EMT program at the Public Service Leadership Academy at Fowler trains students to function independently in a medical emergency and provide pre-hospital care at the scene or during transport.

Can you make critical decisions in high-pressure situations? Do you have a desire to help people in their time of need? Do you want to face a new challenge every day, or maybe even every hour?

Fire Rescue

Career Opportunities (per year)

- Emergency Medical Technician - \$38,930
- Fire Fighter - \$100,362
- Fire Inspector/Fire Investigator - \$74,160
- Alarm and Sprinkler Installation - \$56,430



As a student in the Fire-Rescue Pathway at the Public Service Leadership Academy, you will learn about fire prevention and develop critical skills necessary to handle challenges and demands of fire-prevention and a variety of emergencies.

Can you make critical decisions in high-pressure situations? Do you have a desire to help people in their time of need? Do you want to face a new challenge every day, or maybe even every hour?

Forensic Science

Career Opportunities (per year)

- Evidence Technician - \$45,614
- Forensic Scientist - \$49,657
- Attorney - \$97,153
- Medical Examiner - \$146,174



As a student in the Forensic Science pathway, you will learn to gather and examine evidence used in a court of law. You will learn to collect and document physical evidence, conduct laboratory analysis, and present results during testimony in a court of law.

*Do you like
science? Do
you enjoy
solving
problems,
mysteries,
crime?*

Geospatial Technology

Career Opportunities (per year)

- Cartographer - \$76,210
- Geospatial analyst - \$77,494
- Geospatial technician - \$59,329
- Geospatial software/hardware developer - \$126,792



In this program students will learn how to use and apply Geographic Information Systems (GIS), Global Positioning Systems (GPS), remote sensing and data visualization tools.

*Do you like
solving
problems?
Learning new
technology?
Working on
projects?*

Navy National Defense Cadet Corps (NNDCC)

Career Opportunities (per year)

- Military Careers - \$39,338
- Aviation Careers - \$52,329
- Engineering Careers - \$67,849
- Health Care - \$91,943
- Information & Technology - \$120,023



The mission of Navy National Defense Cadet Corps (NNDCC) is to instill in students the values of citizenship, service to the United States, personal responsibility and a sense of accomplishment. Some of our students are interested in serving our country in the U.S. Navy or attending the Naval Academy, but our program can benefit any student.

Are you goal-oriented? Do you enjoy working with others and think you can be a leader? Do you like extracurricular activities, community service and setting an example for others?

Law Enforcement

Career Opportunities (per year)

- Law Enforcement Officer - \$72,280
- Private Investigator - \$49,540
- Secret Service Agent - \$71,814
- Security Guard - \$37,070



Students in our Law Enforcement pathway will learn to react appropriately and professionally to situations where the public might be at risk by manmade or natural emergencies.

***Are you
interested in
serving the
public,
protecting
people, and
having a
positive
impact on
your
community?***

P-TECH:

Remotely Piloted Aircraft Systems

Career Opportunities (per year)

- Drone Pilot - \$130,916
- Insurance Inspector - \$52,383
- Computer Scientist - \$45,973
- Film Maker/Photojournalist - \$57,499



The Remotely Piloted Aircraft Systems P-TECH pathway prepares students to enter this fast-growing field. Students will participate in hands-on learning in developing the basic skills necessary for piloting, engineering, and repairing Remotely Piloted Aircraft systems.

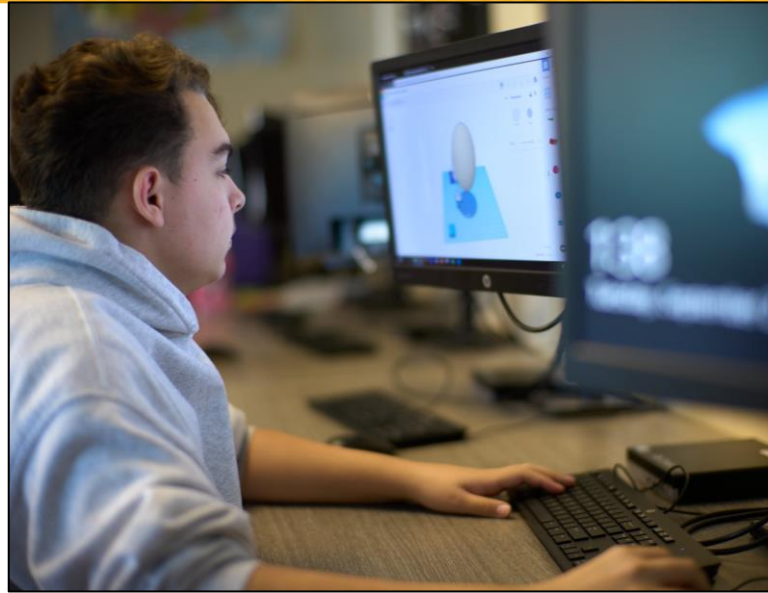
Do you like making things work or designing new things? Do you like math and science? Does being on the cutting edge of research and design sound exciting?

P-TECH:

Computer Information Systems

Career Opportunities (per year)

- Programmer - \$99,700
- Web Site Managers/Designers - \$80,851
- Tech Support/Help Desk - \$71,530
- Network Specialist - \$80,093



Students in the CIS program will learn about information processing, networks, hardware, software applications and web publishing through hands-on activities.

Are you the “go to” person among your friends and family when their computer gives them a hard time? Do you enjoy using technology and learning how it works?



Corcoran High School

International Baccalaureate Program

HVAC/R Heating Ventilation Air Conditioning and Refrigeration Clean Energy

Manufacturing Technology Pre-Apprenticeship Program

Urban Teacher Preparation Program

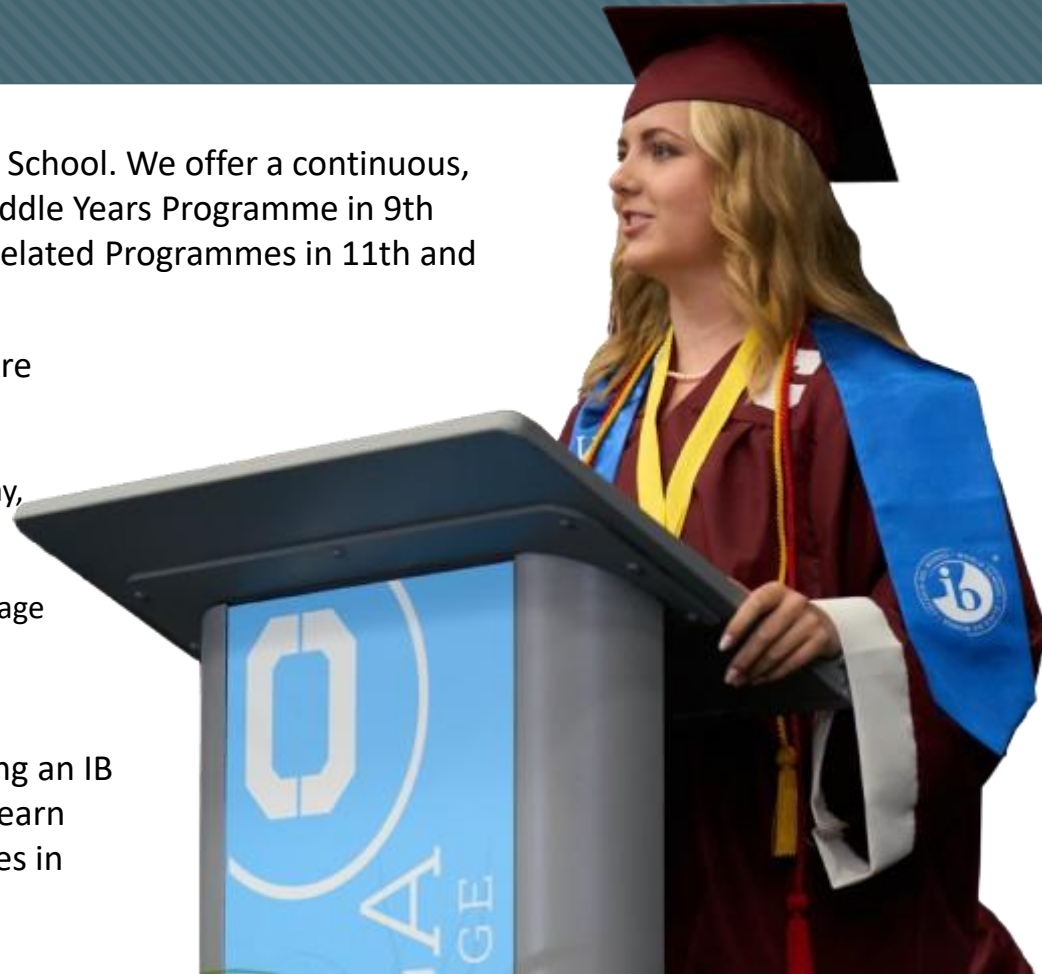
Welding Technology

P-TECH Computer Chip Technology and Production

International Baccalaureate Diploma Program



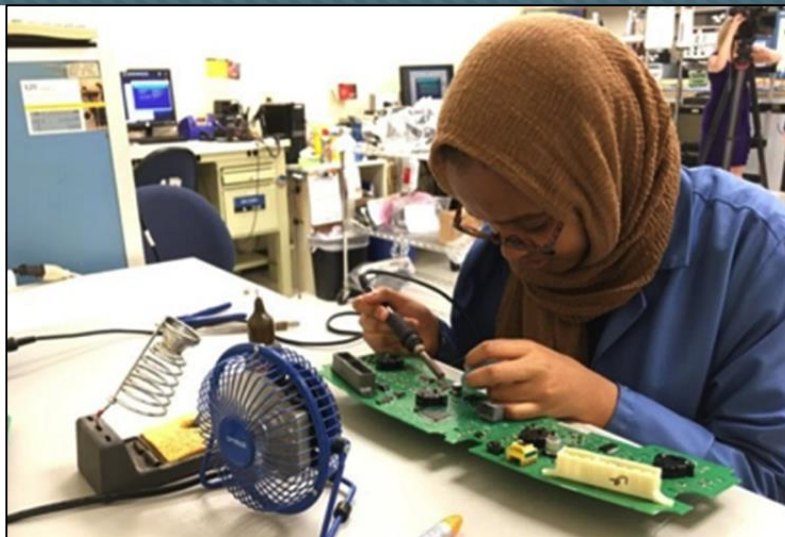
- Corcoran is proud to be an IBO Continuum World School. We offer a continuous, cohesive, learning journey beginning with the Middle Years Programme in 9th grade that develops into the Diploma or Career Related Programmes in 11th and 12th grades
- Students pursuing an IB Diploma study the DP Core components alongside six subject groups.
 - **DP Core:** Theory of Knowledge, The Extended Essay, and Creativity, Activity, Service (CAS)
 - **6 Subject Groups:** Language and Literature, Language Acquisition, Individuals and Societies, Sciences, Mathematics, and The Arts.
- Students are encouraged to work toward achieving an IB Diploma however, opportunities are provided to earn course certificates by taking one or more IB classes in conjunction with a Regents or CTE program.



Manufacturing Technology Pre-Apprenticeship

Career Opportunities (per year)

- Assembler - \$36,446
- CNC Operator - \$48,550
- Machinists - \$50,840
- Maintenance Mechanic - \$61,420



The program prepares students to be first in line for a Registered Apprenticeship as an Industrial Manufacturing Technician. Students receive on the job training in the manufacturing field of their choice coupled with classroom instruction. They will learn basic technical and career readiness skills that will prepare them for full apprenticeship..

*Are you
interested in
hands-on
experience
with
industry
standard
tools and
machinery?*

Urban Teacher Preparation

Career Opportunities (per year)

- Classroom teacher (K-12) - \$69,597
- Teaching assistant (K-12) - \$35,550
- School Administrator - \$112,468
- Coach - \$45,910



Students in the program will learn about and practice the unique skills required to be a successful educator in a diverse urban environment. They will develop an understanding of teaching and learning through hands-on lessons, work-based experiences, and specialized coursework.

***Are you
interested in a
career making a
difference in the
lives of young
people and
working in an
urban
environment?***

Welding Technology

Career Opportunities (per year)

- Welder - \$61,219
- Underwater Welder - \$85,000
- Pipefitter - \$58,861
- Millwright - \$43,160
- Ironworker - \$60,925



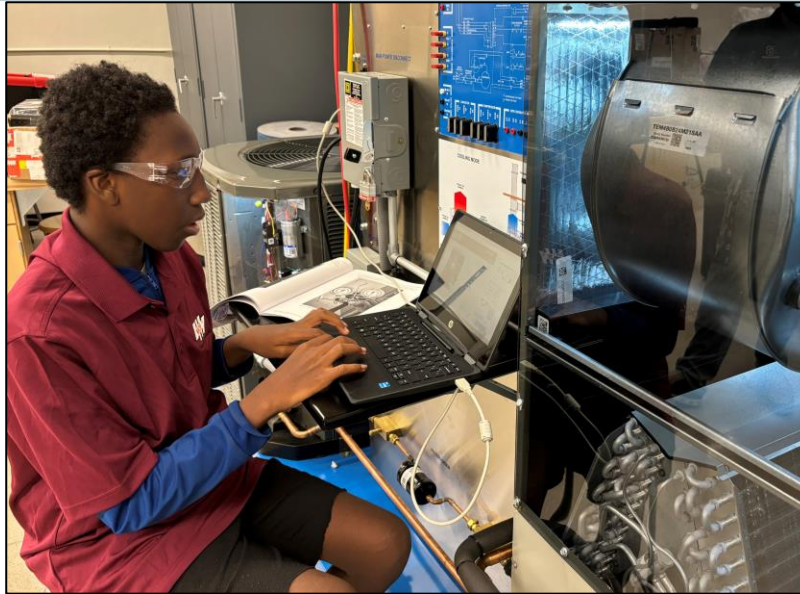
Students in this program will learn basic and advanced practices of metal inert gas (MIG), stick and tungsten inert gas (TIG) welding, plasma and torch cutting, metal art, safety (OSHA training), and introduction to fabrication and repair.

Do you like the idea of an active job working with your hands with opportunities to travel? Do you have an eye for detail?

HVAC/R Heating Ventilation Air Conditioning Refrigeration Clean Energy

Career Opportunities (per year)

- Boilermakers - \$71,140
- HVACR Technician - \$64,310
- Plumbers, Pipefitters, and Steamfitters - \$61,550
- Sheet Metal Workers - \$58,780



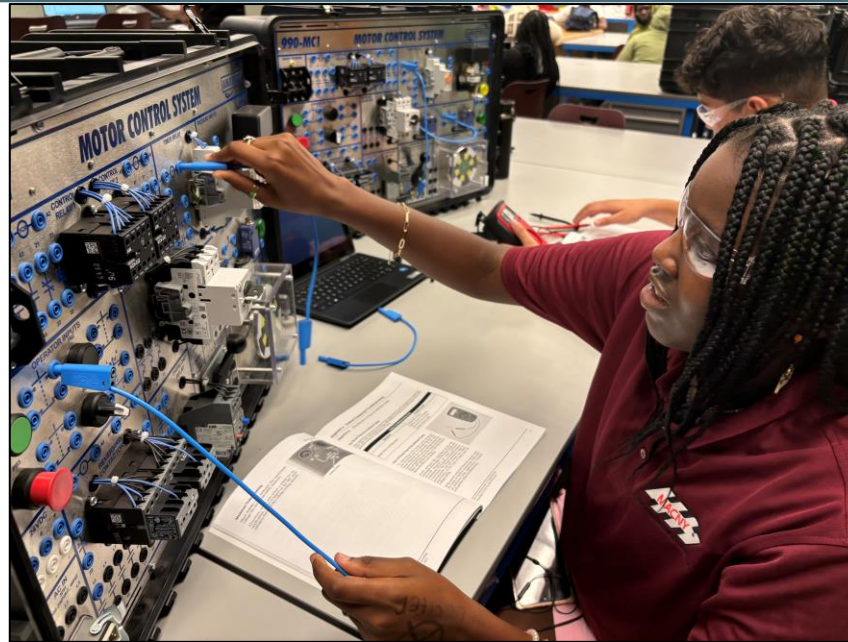
In this program students will gain real-world knowledge and hands-on experience in the fundamental components of heating, ventilation, cooling, and refrigeration systems that control the temperature and air quality in buildings, print reading, electrical wiring, proper tool use, and OSHA safety training.

Are you a detail-oriented individual who prefers hands-on tasks and troubleshooting problems?

P-TECH: Computer Chip Technology and Production

Career Opportunities (per year)

- Semiconductor Manufacturing Technician - \$45,850
- Fab Manufacturing Technician - \$49,998
- Semiconductor Engineer - \$85,723
- Test Engineer - \$92,000



Computer Chip technicians help manufacture semiconductors with the use of special purpose furnaces, x-ray equipment, chemical baths, and equipment used to form circuitry and change conductive properties.

Are you interested in how technology will shape the future? Are you skilled at troubleshooting electrical and mechanical issues?



Institute of Technology at Syracuse Central High School

Automotive Technology

Biotechnology Program

Culinary Arts

Media Communications

P-TECH Programs: Electrical Technology and Mechanical Technology

Automotive Technology

Career Opportunities (per year)

- Professional Mechanic - \$47,770
- Body Shop Technician - \$57,455
- Garage Owner - \$82,367
- Maintenance Mechanic - \$62,665



This program teaches diagnostics and repair of all automotive systems using modern tools and diagnostic equipment with an emphasis on engine performance, electrical systems, brakes systems, steering and suspension systems.

***Are you
interested
in cars? Do you
like
solving
problems and
working with
your
hands?***

STEM Pathway: Biotechnology

Career Opportunities (per year)

- Physician - \$239,200
- Physician Assistant - \$130,020
- Biotechnologist - \$93,835
- Environmental Scientist - \$78,980



In this STEM pathway, students will be exposed to several different levels of science and math courses. Students will begin earning college credits as early as their 9th grade and will earn a minimum of 24 college credits. Excellent for students wishing to pursue a science or math-based careers.

Do you like math and science? Do you like discovering things? Are you a caring person who wants to help solve problems?

Culinary Arts

Career Opportunities (per year)

- Personal & Private Chef - \$69,673
- Caterer - \$37,602
- Events Manager - \$61,942
- Restaurant Owner - \$97,000



Students learn both theory and practice through hands-on work experiences. ITC culinary courses use the ProStart® program, an industry driven curriculum offering industry recognized certificates to students meeting high standards.

***Are you
interested in
hands on
projects,
baking, cake
design, and
creating new
dishes?***

Media Communications

Career Opportunities (per year)

- Film Maker - \$82,510
- Graphic Designer - \$58,910
- News Anchor - \$57,491
- Photographer/Reporter - \$53,800



Students learn to work in a professional television studio while being involved in operating the school's news and communication network including announcements, social media, news magazines and web presence. Projects are supplemented with reading, writing, lectures, demonstrations, videos, online research and critiques.

*Do you dream of anchoring a news desk?
Do you dream of working behind the scenes as a camera operator/programmer?*

P-TECH: Electrical Technology

Career Opportunities (per year)

- Electronics Assembler - \$40,276
- Electronics Engineer - \$88,896
- Semiconductor Processing Technician - \$51,319
- Test Technician - \$52,688



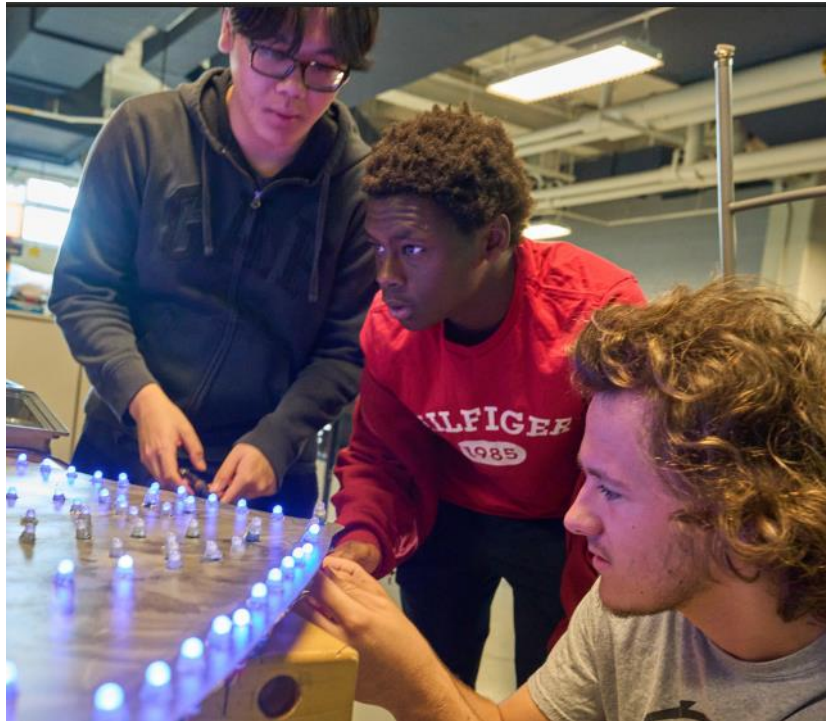
Students will construct, test, analyze, trouble shoot and repair electrical and mechanical systems. Students will learn about electronics, industrial control, power distribution and electronic hardware.

Do you like taking things apart, studying them, and putting them back together for fun? Do you like to tinker with things?

P-TECH: Mechanical Technology

Career Opportunities (per year)

- CNC Operator - \$48,550
- Drafter/Designer - \$62,530
- Machinists - \$50,840
- Mechanical Technician - \$64,020



The program will prepare students for employment in industry as engineering technicians. Students will learn foundations in mechanical technology, manufacturing, drafting/designing.

*Are you
interested in
hands-on
experience with
industry
standard tools
and machinery?*



Henninger High School

Health Careers Programs

Medical Assisting

P-TECH Programs: Laboratory Science, Health Information Technology,
Health Professions

Medical Assisting

Career Opportunities (per year)

- Medical Lab Technician - \$73,195
- Phlebotomist - \$41,810
- Nurse - \$75,440
- Radiology Technician - \$104,917



This program provides information and skills common to all medical assistants, including the ability to take a patient's history, prepare an examination room, and assist physicians during examinations.

Are you a caring and compassionate person who loves to help others? Do you like doing different things every day? Are you interested in science and medicine?

P-TECH: Laboratory Science

Career Opportunities (per year)

- Medical Laboratory Technician – \$60,780
- Pharmaceutical Laboratory Technician - \$46,864
- Phlebotomists - \$41,552
- Research Laboratory Technician - \$45,815



In this program students will work in a medical laboratory environment and acquire the knowledge and technical skills that will prepare them for positions as entry-level laboratory technicians in a clinical laboratory.

***Do you like
science, problem
solving,
performing
hands- on
laboratory
experiments or
are you interested
in an excellent
career in
healthcare?***

P-TECH: Health Information Technology

Career Opportunities (per year)

- Clinical Informatics Coordinator - \$81,158
- Health Information Technician - \$62,990
- Medical Coding Professional - \$63,085
- Quality Improvement Analyst - \$67,422



Health information Technology is information technology applied to health care. HIT makes it possible for health care providers to better manage patient care through secure use and sharing of health information. Students will develop skills in the use of information technology and patient care management.

*Do you like to
strategize,
investigate
and piece
together
information?*

P-TECH: Health Professions

Career Opportunities (per year)

- Nursing - \$86,815
- Physician - \$360,686
- Physician Assistant - \$130,020
- Physical Therapist - \$106,500



This program will introduce students to infection control, medical terminology, human growth and development, anatomy and physiology, structure and function of body systems, the study of diseases and the disease process, healthcare technology, medical ethics and jurisprudence, standards of professional conduct, patient communication and the fundamentals of patient care.

***Do you
have an
interest in
science or
medicine?
Are you
the kind of
person
who just
wants to
help
people?***



Nottingham High School

Business Technology

Construction Technology

Creative Expression and Design

Natural Resources

Business Technology

Career Opportunities (per year)

- Business Owner - \$145,500
- Accountant - \$79,880
- Human Resources/Personnel Specialist - \$67,650
- Real Estate Broker - \$97,000



This program offer students the skills necessary to pursue business or finance degrees in college, learn the fundamentals of running a successful business and develop ready to work practices

*Do you like
controlling
your own
destiny?
Do you want
to turn your
passion into
your career?*

Construction Technology



Students in our program are prepared for careers and further education and training in the construction industry, especially the management of construction projects, such as construction manager, construction engineer, cost estimator, construction superintendent, scheduler, and construction inspector.

Do you like building things? Are you the kind of person that likes to work with your hands? Do you have an eye for detail and quality workmanship?

Career Opportunities (per year)

- Project Manager - \$97,105
- Building Inspector - \$67,700
- Cost Estimator - \$88,513
- Code Enforcement Officer - \$53,331

Creative Expression and Design

Career Opportunities (per year)

- Communications Designer - \$70,757
- Interior Designer - \$72,346
- Fashion Designer - \$79,290
- Industrial Designer - \$76,250



The Creative Expression and Design program is partnered with the Syracuse University School of Design. This program teaches students the essential skills needed to begin a career in design. Students will work with professionals from the Syracuse University School of Design and Syracuse-based technology companies.

*Are naturally
creative? Do
you like
collaborations
and
have a good
eye for
compelling
design?*

Natural Resources

Career Opportunities (per year)

- Environmentalist - \$46,361
- Wildlife Biologist - \$70,600
- Agriculturalist - \$60,158
- Urban Planner - \$81,800



This program develops an integrated view of the biological, ecological and social dimensions of the environment. Students will acquire a variety of skills including planning and design, conservation management and environmental health, bioprocess engineering, chemistry, land surveying, and park maintenance, ecology and population studies, wildlife and plant ID and conservation studies.

***Are you
interested in
nature,
science and
the world
around you?
Do you want
to help make
the world a
better place?***



Regional STEAM High School

Animation and Game Design
Business Entrepreneurship
Construction Management
Dance
Data Analytics

Music, Movie & Theater Production
Performing Arts
Robotics and Automation
Computer Chip Technology and Production
Visual Arts



Animation and Game Design

Career Opportunities (per year)

- Video Game Designer - \$81,228
- Pro Gaming Player - \$80,000 - \$150,000
- Animator - \$81,974
- Streaming Video and Digital Film Producer - \$75,498



This pathway is designed to prepare students for entry level careers or further education and training in professions that use visual art, digital media, and Web based tools and materials as the primary means of communication and expression.

Do you like working on computers? Are you curious about how computer games and animations are made?

Business Entrepreneurship

Career Opportunities (per year)

- Entrepreneur - \$81,729
- Chief executive officer - \$206,680
- General managers - \$101,280
- Small business owner - \$90,633



The Business Entrepreneurship program will prepare students for careers and further education and training in the world of business. Students will learn concepts and techniques for planning entrepreneurial ventures, using design thinking and business model development.

***Does the idea
of creating new
businesses,
executing
big ideas and
anticipating
market
needs interest
you?***

Construction Management

Career Opportunities (per year)

- Project Manager - \$97,105
- Building Inspector - \$67,700
- Cost Estimator - \$88,513
- Code Enforcement Officer - \$53,331



Students in our program are prepared for careers and further education and training in the construction industry, especially the management of construction projects, such as construction manager, construction engineer, cost estimator, construction superintendent, scheduler, and construction inspector.

Are you the kind of person that likes overall planning, coordination, and control of a project from inception to completion?

Dance

Career Opportunities (per year)

- Principal dancer - over \$100,000
- Broadway performer - between \$50,000 and \$80,000
- Professional dancer (general) - \$71,263
- Choreographer - \$52,964
- Costume designer - \$68,898
- Set designer - \$68,898
- Dance teacher - \$52,631



Students will learn academic, technical and practical skills for careers in the dance field. Students will train in multiple styles - include contemporary, modern, jazz, tap, ballet, and hip hop - while mastering foundational techniques in choreography and improvisation to strengthen physical storytelling and creative movement.

***Are you the
type
of person
who
loves to
dance? Do
you enjoy
creating
dance
moves?***

Data Analytics

Career Opportunities (per year)

- Data Analyst - \$98,000
- Data Scientist - \$113,894
- Risk Analyst - \$62,271
- Logistics Specialist - \$53,888



Students will learn the fundamentals of data science, its currency in the job market, and its applicability to everyday life through hands-on projects with real-world datasets.

Are you the type of person who can analyze raw data for insights and trends with the goal of discovering useful information?

Music, Movie & Theater Production

Career Opportunities (per year)

- Set Design and Construction Technician - \$44,983
- Lighting Design Engineer - \$89,940
- Audio and Sound Engineer - \$59,040
- Theater Production Manager- \$77,537



Students will learn techniques used by industry professionals. Key areas of instruction and experience include elements of design; set design/ dressing and construction; wardrobe and costume design and production; audio and lighting design and implementation; production, stage and front of house management; analysis of technical requirements.

Are you the type of person who'd rather be running the production, instead of being on the stage?

Performing Arts

Focus of Study

- Band
- Chorus
- Orchestra
- Digital Music
- Theatre
- Music Theory
- Piano

Career Opportunities (per year)

- Actor - \$62,947
- Dancer - \$60,932
- Theater director - \$59,030
- Screenwriter - \$50,473



Students in our program will work in a professional environment and have opportunities to perform in the historic, fully renovated Lincoln Auditorium.

*Do you like to
be front
and center in a
creative
environment?
Do you
have a passion
for
performance?*

Robotics and Automation

Career Opportunities (per year)

- Electromechanical Technician - \$78,650
- Automation Technician - \$78,650
- Robotics Operator - \$38,877
- Robotics Engineer: \$111,862



Students will learn the fundamentals of robotic technologies, its currency in the job market, and its applicability to everyday life. Students will gain an understanding of how robotic technologies impact the environment, society, and the economy.

*Do you like
creative
problem solving
with
technology? Are
you
intrigued by the
future
of artificial
intelligence?*

Computer Chip Technology and Production

Career Opportunities (each year)

- Semiconductor Manufacturing Technician - \$45,850
- Fab Manufacturing Technician - \$49,998
- Semiconductor Engineer - \$85,723
- Test Engineer - \$92,000



This program prepares students for careers in the semiconductor manufacturing industry. Students will be trained on state-of-the-art industry standard equipment and work in a simulated clean room

Are you interested in how technology will shape the future? Are you skilled at troubleshooting electrical and mechanical issues?

Visual Arts

Focus of Study

- 2D Art
- Digital Art
- Photography
- Art History
- Portfolio Preparation

Career Opportunities (per year)

- Cinematographer - \$58,100
- Graphic designer - \$58,910
- Interior designer - \$72,000
- Fashion designer - \$79,290



Students in this program learn skills in 2 Dimensional and 3-Dimensional art. They will explore development of various mediums, concepts, and philosophies which include drawing, painting and other creative 2D media, ceramics, sculpture, printmaking and other 3D media.

***Does
creativity fuel
you? Does
design and
your artistic
eye play a
role in your
every day
decision
making?***

What pathway will you take?

